

CLAIMS

1. A herbicide composition which comprises, as a blend,
 - (A) 2-[(4,6-dimethoxypyrimidin-2-yl)hydroxymethyl]-6-methoxymethyl-N-difluoromethanesulfonylanilide and
 - (B) a compound selected from the group consisting of
 - (1) S-2-chloro-benzyl diethyl-thiocarbamate (orbencarb),
 - (2) S-2-benzenesulfonamidoethyl O,O-diisopropyl phosphorodithioate (bensulide),
 - (3) methyl sulfanilylcarbamate (asulam),
 - (4) 3',4'-dichloropropionanilide (propanil),
 - (5) ethyl (RS)-2-chloro-3-[2-chloro-5-(4-difluoromethyl-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl)-4-fluorophenyl]propionate (carfentrazone-ethyl),
 - (6) 1-(2-methylcyclohexyl)-3-phenylurea (siduron),
 - (7) 5-dipropyl-amino- α,α,α -trifluoro-4,6-dinitro-o-toluidine (prodiamine),
 - (8) N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine (pendimethalin),
 - (9) N-butyl-N-ethyl- α,α,α -trifluoro-2,6-dinitro-p-toluidine (benfluralin),
 - (10) butyl (R)-2-[4-(4-cyano-2-fluorophenoxy)phenoxy]propionate (cyhalofop-butyl),
 - (11) ethyl (R)-2-[4-(6-chlorobenzoxazol-2-yloxy)phenoxy]propionate (fenoxaprop-(P)-ethyl),
 - (12) ethyl(\pm)-2-[4-(6-chlorobenzoxazol-2-yloxy)-phenoxy]propionate (fenoxaprop-ethyl),
 - (13) 2-{1-[2-(4-chlorophenoxy)propoxyimino]butyl}-3-hydroxy-5-(thian-3-yl)cyclohex-2-enone (profoxydim),
 - (14) (\pm)-(EZ)-2-(1-ethoxyiminobutyl)-5-[2-(ethylthio)propyl]-3-hydroxycyclohex-2-enone (sethoxydim),
 - (15) benzophenone O-[2,6-bis(4,6-dimethoxy-pyrimidin-2-yloxy)benzoyl]oxime (pyribenzoxim),
 - (16) (1RS,2SR,4SR)-1,4-epoxy-*p*-menth-2-yl 2-methylbenzyl ether (cinmethylin),
 - (17) 3,7-dichloroquinoline-8-carboxylic acid (quinclorac),
 - (18) N-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)-N'-(2-methoxycarbonyl-phenylsulfonyl)urea (metsulfuron-methyl),
 - (19) 1-(4,6-dimethoxypyrimidin-2-yl)-3-mesyl(methyl)sulfamoylurea

(amidosulfuron),

(20) 2',4'-difluoro-2-(α,α,α -trifluoro-*m*-tolylloxy)nicotinamide (diflufenican),

(21) 3-(4-isopropylphenyl)-1,1-dimethylurea (isoproturon),

(22) 2,6-bis(4,6-dimethoxypyrimidin-2-ylloxy)benzoic acid (bispiribac) and salts thereof,

(23) N-(phosphonomethyl)glycine (glyphosate) and salts thereof,

(24) 4-[hydroxy(methyl)phosphinoyl]-DL-homoalanine (glufosinate) and salts thereof, and

(25) 4-[hydroxy(methyl)phosphinoyl]-L-homoalanyl-L-alanyl-L-alanine (bilanafos) and salts thereof.

2. The herbicide composition according to claim 1, wherein the amount of the component (B) is in the range from 0.1 to 2000 parts by mass per part by mass of the component (A).

3. The herbicide composition according to claim 1, wherein the component (B) is a compound selected from the group consisting of N-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)-N'-(2-methoxycarbonyl-phenylsulfonyl)urea (metsulfuron-methyl) and 1-(4,6-dimethoxypyrimidin-2-yl)-3-methyl(methyl)sulfamoylurea (amidosulfuron).

4. The herbicide composition according to claim 1, wherein the component (B) is 2',4'-difluoro-2-(α,α,α -trifluoro-*m*-tolylloxy)nicotinamide (diflufenican).

5. The herbicide composition according to claim 1, wherein the component (B) is a compound selected from the group consisting of ethyl (R)-2-[4-(6-chlorobenzoxazol-2-ylloxy)phenoxy]propionate (fenoxaprop-(P)-ethyl) and ethyl(\pm)-2-[4-(6-chlorobenzoxazol-2-ylloxy)phenoxy]propionate (fenoxaprop-ethyl).

6. The herbicide composition according to claim 1, wherein the component (B) is a compound selected from the group consisting of 2-{1-[2-(4-chlorophenoxy)propoxyimino]butyl}-3-hydroxy-5-(thian-3-yl)cyclohex-2-enone

(profoxydim) and (±)-(EZ)-2-(1-ethoxyiminobutyl)-5-[2-(ethylthio)propyl]-3-hydroxycyclohex-2-enone (sethoxydim).

7. The herbicide composition according to claim 1, wherein the component (B) is a compound selected from the group consisting of 2,6-bis(4,6-dimethoxypyrimidin-2-yloxy)benzoic acid (bispyribac) and salts thereof.

8. The herbicide composition according to claim 1, wherein the component (B) is benzophenone O-[2,6-bis(4,6-dimethoxypyrimidin-2-yloxy)benzoyl]oxime (pyribenzoxim).

9. The herbicide composition according to claim 1, wherein the component (B) is a compound selected from the group consisting of 4-[hydroxy(methyl)phosphinoyl]-L-homoalanyl-L-alanyl-L-alanine (bilanafos), 4-[hydroxy(methyl)phosphinoyl]-DL-homoalanine (glufosinate) and salts thereof.

10. The herbicide composition according to claim 1, wherein the component (B) is a compound selected from the group consisting of N-(phosphonomethyl)glycine (glyphosate) and salts thereof.

11. The herbicide composition according to claim 1, wherein the component (B) is a compound selected from the group consisting of N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine (pendimethalin) and N-butyl-N-ethyl- α,α,α -trifluoro-2,6-dinitro-*p*-toluidine (benfluralin).

12. The herbicide composition according to claim 1, wherein the component (B) is (1RS,2SR,4SR)-1,4-epoxy-*p*-menth-2-yl 2-methylbenzyl ether (cinmethylin).

13. The herbicide composition according to claim 1, wherein the component (B) is ethyl (RS)-2-chloro-3-[2-chloro-5-(4-difluoromethyl-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl)-4-fluorophenyl]propionate (carfentrazone-ethyl).

14. The herbicide composition according to claim 1, wherein the component (B) is 3-(4-isopropylphenyl)-1,1-dimethylurea (isoproturon).
15. The herbicide composition according to claim 1, wherein the component (B) is S-2-chloro-benzyl diethylthiocarbamate (orbencarb).
16. The herbicide composition according to claim 1, wherein the component (B) is 5-dipropylamino- α,α,α -trifluoro-4,6-dinitro-o-toluidine (prodiamine).
17. The herbicide composition according to claim 1, wherein the component (B) is 3,7-dichloroquinoline-8-carboxylic acid (quinclorac).
18. The herbicide composition according to claim 1, wherein the component (B) is 1-(2-methylcyclohexyl)-3-phenylurea (siduron).
19. The herbicide composition according to claim 1, wherein the component (B) is methyl sulfanilylcarbamate (asulam).
20. The herbicide composition according to claim 1, wherein the component (B) is 3',4'-dichloropropionanilide (propanil).
21. The herbicide composition according to claim 1 for use in controlling growth of weeds in a land.
22. A method for controlling growth of weeds in a land which comprises the step of sprinkling the herbicide composition defined in claim 1 over the land where the weeds grow.
23. The method for controlling growth of weeds in a land according to claim 22, wherein the amount of the herbicide composition sprinkled over the land in the form of a powder agent, finely granulated agent or granulated agent is in the range from 0.1 g to 5 kg as the total amounts of the components (A) and (B) per 10 ares area of the land.

24. The method for controlling growth of weeds according to claim 22, wherein the concentration of the components (A) and (B) as a total in the herbicide composition in the form of an emulsified agent, liquid agent, flowable agent or hydrated agent is in the range from 10 to 500,000 ppm by mass.